Purple Heart

Technical Manual

**Health Eligibility Center (HEC)
Module**

Patch IVMB*2.0*491

March 2001

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Introduction

Background

The Veterans' Millennium Health Care Act (Public Law 106-117), signed into law November 30, 1999, amends Title 38, United States Code, to establish a program of extended care services for veterans and to make other improvements in health care programs of the Department of Veteran Affairs. Title I, Access to Care, Subtitle B, Other Access to Care Matters, Section 112, Eligibility for Care of Combat-injured Veterans (referred to as Purple Heart or PH from this point forward) amended the law to place veterans who have been awarded the Purple Heart in enrollment priority group 3 if they had previously been in priority groups 4 through 7. This will exempt Purple Heart veterans from hospital care and outpatient medical services co-payments (excluding medications). In summary, the law directs or provides for the following:

Veterans who have been awarded the Purple Heart are placed in the same enrollment priority group (3) as former prisoners of war and Veterans with service-connected disabilities rated 10% or 20% disabling. This exempts the veterans from Means Testing, but does not exempt them from Long Term/Extended Care Co-payment charges.

To accommodate these changes within the enrollment and other VA medical systems, the office of Information has been directed to develop new or modify existing software in order to capture data on veterans who have been awarded the Purple Heart.

Functionality

Purple Heart Phase I provides the functionality required to advise current and newly enrolled veterans of their priority group assignment and to monitor the progress of Phase I letter mailings.

User Interactive Functions	Non-interactive Functions
• Contact Representatives can add veterans to the Purple Heart Registry. • Process Purple Heart documentation • Produce Purple Heart-related reports • Assign and change Purple Heart Contact Representatives	• Files Purple Heart data transmitted from sites-of-record and prepares data for transmission to sites of record.

Related Manuals

- Purple Heart Phase I User Manual
- Purple Heart Phase I Installation Guide

Integration

Purple Heart Phase I provides functionality that impacts Registration, Integrated Billing and Information Resource Management (IRM) staff at your facility. It is integrated with the following packages:

Package	Integration
Patient Information Management System (PIMS)	• Purple Heart data is collected at sites and transmitted to the HEC • HEC processes Purple Heart data and transmits it to the appropriate site-of-record
Integrated Billing (IB)	• Veterans with verified Purple Heart status are exempt from Means Testing • Veterans with verified Purple Heart status who have made inappropriate payments since 11/30/1999 will receive refunds
Health Level 7 (HL7)	• HL7 is the communications tool used to transmit data between VistA sites and HEC.
Income Verification Match (IVM)	• Purple Heart data is now processed by IVM

Implementation and Maintenance

Site Parameters

The following new fields were added to the HEC PARAMETER file (#742070):

Purple Heart Pending Clock (#7)
The number of days a record can stay in Pending status before being automatically set to NO. Initial value is 14 days.

Purple Heart In-Process Clock (#8)
The number of days a record can stay in In-Process status before being automatically set to NO. Initial value is 37 days.

Routines

Routine Descriptions

^AYCBCNM

^AYCBCNM updates the correspondence file to indicate that a letter was undeliverable or re-mailed. The code has been modified to include the Purple Heart Letters, and will update PH fields as required. The PH API has been added to determine Purple Heart information for the selected veteran.

^AYCBDD2

Tag ELGPH was added to routine ^AYCBDD2 to prevent the Purple Heart Eligibility Code from being added if the Veteran is not in the Purple Heart Registry with a YES indicator. The tag is called by the input transforms on the Eligibility Code (#6) field of the 300.11 file, and by the input transform on field .01 of the 300.24 multiple (Other Eligibility Codes) in the 300.11 VIVA file.

^AYCBELIG

^AYCBELIG has been modified to return the Purple Heart Recipient eligibility code as a primary code or secondary code. It will be the primary code if a primary code has not been determined by the service connected factors or the POW indicated factor. Otherwise it will be a secondary code.

^AYCBENA1

Tag MTREQ is called to determine if a means test is required. It has been updated to return FALSE if PH is an eligibility code. Tags STATUS and CHKPEN have been updated so that STATUS is Pending PH Unconfirmed (21), when PH is the primary eligibility code, and the PH status is not confirmed.

^AYCBENA3

Routine AYCBENA3 was created to contain subroutines that were originally in AYCBENA1 but had to be removed when AYCBENA1 grew past size limits.

^AYCBHL7

Subroutine ZMH was added to ^AYCBHL7 to create the ZMH (Military History) segment. See the segment diagram on page 4.

^AYCBLP

The ^AYCBLP routine, which manages letter re-mailing, has been modified to support re-mailing Purple Heart Letters. It will also update PH status to Second Letter.

^AYCBLTRV

Tag CHKRSND has been modified to determine if a PH letter can be resent and allows CRs to re-send Purple Heart letters (630A, 630B, 630C) as necessary.

^AYCBPRIO

 Tag ORELIG has been modified to verify the PH Indicator matches the PH eligibility code.

^AYCBTENR

Tag VALIDENR was modified in the ^AYCBTENR routine to permit enrollment records with the new Pending; Purple Heart Unconfirmed enrollment status to be sent in the Z11 during batch transmissions to sites.

^AYCBUTIL

^AYCBUTIL, the HL7 Builder routine has been modified to transmit Purple Heart Data. Data is extracted from the following fields in the Purple Heart (File #742021) and added to the ZMH segment of the Z11 message:

Field #	Field Name
7	PH INDICATOR
8	PH STATUS
9	REJECTED REMARKS

A line was added in tag ORUZ11 to call subroutine ZMH^AYCBHL7, which creates the ZMH segment in the appropriate place for Z11 messages. The optional ZMH segment will be sent between ZSP and ZRD segments:

ZMH - Military History Segment

SEQ	LEN	DT	OPT	RP/#	TBL#	ELEMENT NAME	ELEMENT CONTENTS
1	4	SI	R			Set ID - Military history	Set ID
2	4	IF	R			Military history type	PH
3	80	CE	R			Qualifiers	3 Components1: PH Indicator2: PH Status3: Rejected Remarks
4	29	DR	O			Date range	2 Components1: From date2: To date

Tag TRGSTAT was modified to permit enrollment records with the new Pending; Purple Heart Unconfirmed enrollment status to be sent in the Z11.

^AYCEPHA1

^AYCEPHA1 provides the IEN search API. The routine is called during the conversion processing to determine the IEN for the 300.12 file based on the veteran's name and SSN. It is also used to prevent duplicate entries in the new Purple Heart Registry file #742021.

^AYCEPHAC

^AYCEPHAC is used to convert existing data from the Purple Heart Access database file to the new Purple Heart file structure in file #742021. The Access database is exported as a delimited text file where the field delimiter is a "|" and stored in the user's working directory on the target server. The table below maps the Access file to the new PH file. See the ^AYCEPHMC section for Document Type and Data Source conversion maps.

^AYCEPHAC also allows the user to run a pre-conversion check of the data exported from the Access database against the current database. This allows users to correct "bad" before the actual conversion takes place. The pre-conversion check does not modify either database.

This process is called manually after the patch is installed, the Purple Heart Registry file is converted (MUMPS database conversion), and the Access database file has been exported as a delimited text file to the destination server. The process is invoked by calling ^AYCEPHAC from a programmer prompt. The pre-conversion check can be called from a programmers prompt by using the PRECONV tag. Output is generated on the ^XTMP("AYCEPH","AYCEPHAC" global.

WARNING!
- Patch IVMB*2.0*537 must be installed before the database conversion is run to ensure that Purple Heart data is transferred to the National Enrollment Database.   - If this process is run before ALL Purple Heart Phase 1 and 2 patches have been installed on both the HEC and at ALL of the VAMCs, then Purple Heart data may not be distributed correctly to all sites-of-record and other errors and/or problems could occur during the Z11 upload at the VAMCs

^AYCEPHAC (continued)
Conversion Routine File Map

Access File		#742021
Old Name	New #	New Name
Social Security	.01	SSN
Name: (Last, First, M)	1	LAST NAME
	2	FIRST NAME
	3	MIDDLE NAME
Date Paperwork Received	16	DATE DOC RECEIVED
Date Entered	17	DATE DOC LOGGED IN
Document Type	13	PH DOCUMENT TYPE
Site	15	PH SITE NUMBER
Data Entry Duz#	18	LOGGED IN USER
Assigned to	10	CR ASSIGNED
Action(s) Taken*	---	
Reason Unable to Update*	20	UNACCEPTABLE REMARKS

*If the Action(s) Taken field contains "**Unacceptable Proof**" then:

1. The **UNACCEPTABLE REMARKS (#20)** is updated with the value in the **Reason Unable to Update** field
2. The **DOCUMENT ACCEPTABLE?(#19)** field is set to "N" (NO)
3. The **PH INDICATOR (#7)** is set to "Y" (YES)
4. The **PH STATUS (#8)** is set to "4" (INITIAL LTR SENT)

^AYCEPHAC (continued)

Data Source and Document Type Conversion Mapping (Access file to #742021)

Data Sources - Access File	Data Sources - #742021	
Old Name	New #	New Name
If the site field is populated with a site number, then SITE shall be listed as the data source in the new PH file for that record as there is no DATA SOURCE field in the Access database file	2	SITE

Document Type Access File	Document Types - #742021	
Old Name	New #	New Name
DD214	1	DD-214
DD215	2	DD-215
WD AGO FORM	3	WD AGO FORM
MILITARY ORDERS OF AWARDS	4	MILITARY ORDERS OF AWARD
OTHER OFFICIAL SERVICE RECORD	5	OTHER OFFICIAL SERVICE RECORDS
<NULL>	6	DoD/VBA
	5	OTHER OFFICIAL SERVICE RECORDS

^AYCEPHAP

^AYCEPHAP produces a report that summarizes all Purple Heart statuses for each site. The report lists site numbers, how many records are currently pending, in process, and whether a YES or NO was determined for Purple Heart eligibility. The user is prompted for one or more site numbers to be included in the report. If no site numbers are entered, the report is generated for ALL sites. ^AYCEPHAP is called by the All PH Summary Report menu option [AYCEPH ALL PH SUMMARY RPT].

As each site is entered, the site number is added to a local array (SITE). When the user has finished selecting sites, the routine searches ($Order) through the Purple Heart Registry (^AYCEPH(742021)) file for PH records for each selected site. Totals are sent to the ^TMP("AYCEPHAP",$J,"ALL PH") global.

If the report is generated for ALL sites, the routine searches ($Order) through the Purple Heart Registry (^AYCEPH(742021)) and all PH records are added for each site. The site numbers are validated against the INSTITUTION file (^DIC(4)) for each record in the PH Registry. The totals are sent to the ^TMP("AYCEPHAP",$J,"ALL PH") global.

^AYCEPHAR

^AYCEPHAR provides the logic for the PH Audit Inquiry option. It acts as an inquire template for the Purple Heart field audits in the FileMan Audit file (#1.1). It is called by the AYCEPH PH AUDIT REPORT menu option. The user enters a Purple Heart recipient's SSN to view the audit information on file for captured fields.

^AYCEPHBP

^AYCEPHBP identifies veteran records that return Purple Heart data that need to be sent to the sites-of-record. Records are sent to the appropriate sites via HL7 MailMan messages. It also identifies veteran records that have exceeded the maximum number of days for PENDING or IN PROCESS status and reverts them back to their previous Means Test, Eligibility Code, and Enrollment Priority values. ^AYCEPHBP will produce HL7 MailMan messages to the VistA sites-of-record for affected veterans.

^AYCEPHBP is tasked to run once per day as a background job.

Each record in the Purple Heart File is evaluated to determine if the records need to be updated and the sites-of-record notified. The following logic is used:

If the following conditions are met…

Field Name	Field Number	Field Value
Update Dt/Tm	(#12)	Today's date
PH Indicator	(#7)	NO
PH Status	(#8)	PENDING, IN PROCESS, or CONFIRMED

The result is…

1. An HL7 message to all sites-of-record
2. Process complete

If the following conditions are met…

Field Name	Field Number	Field Value
Update Dt/Tm	(#12)	Today's date
PH Indicator	(#7)	YES
Remark	(#9)	UNSUPPORTED PURPLE HEART or UNDELIVERABLE MAIL

The result is…

1. An HL7 message to all sites-of-record
2. Process complete

If the following conditions are met…

Field Name	Field Number	Field Value
Update Dt/Tm	(#12)	Today's date - 15
PH Indicator	(#7)	YES
PH Status	(#8)	PENDING

The result is…

1. PH Indicator is set to NO
2. PH Status is set to NULL
3. Remark is set to "No Document Received"
4. Eligibility Code is set to previous value
5. Enrollment Priority is set to previous value
6. Means Test is set to previous value
7. An HL7 message to all sites-of-record
8. Bulletin sent to appropriate mailgroup

If the following conditions are met…

Field Name	Field Number	Field Value
Update Dt/Tm	(#12)	Today's date - 38
PH Indicator	(#7)	YES
PH Status	(#8)	INITIAL LETTER SENT or SECOND LETTER SENT

The result is…

1. PH Indicator is set to NO
2. PH Status is set to NULL
3. Remark is set to "UNACCEPTABLE DOCUMENTATION"
4. Eligibility Code is set to previous value
5. Enrollment Priority is set to previous value
6. Means Test is set to previous value
7. An HL7 message to all sites-of-record
8. Bulletin sent to appropriate mailgroup

^AYCEPHDC

^AYCEPHDC is called when the PH INDICATOR field changes from YES to NO. It determines if a new DCD case should be opened and a Welcome (500) letter sent and uses much of the same logic used in IVMDEN to determine if it is appropriate to create a case and send a letter. The veteran must be alive, part of the DCD pilot sites, require a means test and not have one on file for the desired year, and not have an open DCD case.

^AYCEPHDD

The new ^AYCEPHDD routine produces a detailed report on the Purple Heart Determinations for each site. The report contains site numbers, PH Indicator, veteran Social Security Number, veteran name, and the Remark (if PH Indicator is NO). ^AYCEPHDD is called by the PH Determination Detailed Report menu option [AYCEPH DETERMINATION DETAILED].

The user is prompted to enter a site number to include in the report. After the first site is entered, the user is prompted to enter additional site numbers. If the user presses <Enter> without entering a site number at the first prompt, all sites (the default) will be included in the report.

A second prompt allows the user to limit the report to those records that match specific PH Indicators. Available options are YES, NO, or all records (include both categories).

The Purple Heart Registry file is searched and the veteran's SSN, name, and PH Indicator are extracted. If the report category is "ALL" or "NO," the No Remark field is also extracted. These data are stored temporarily in ^TMP("AYCEPH",$J,SITE,"YES") and ^TMP("AYCEPH",$J,SITE,"NO") depending on if the PH Indicator is YES or NO respectively. The PRINT subroutine is called to send the data to the user-selected device.

^AYCEPHEL

^AYCEPHEL contains event-triggering code. When certain PH-related conditions are met, it will initiate HL7 messages, bulletins, and changing eligibility codes in the VIVA file (#300.11).

^AYCEPHG1

^AYCEPHG1 creates a report that displays the numbers of the various Purple Heart letters (630A, 630B or 630C from the DCD LETTERS file #301.11) sent by each site (INSTITUTION file #4) as specified by the user. The report is generated using data from the PURPLE HEART REGISTRY file (#742021). When the routine is invoked, the user is prompted to:

- Select the site(s) to be included in the report. The default is 'ALL.'
- Select the Purple Heart letter(s) to be included in the report. The default is 'ALL.'
- Select the output device.

^AYCEPHG1 is called by the Purple Heart Letter Generation Report menu option [AYCEPH LETTER GENERATION RPT].

This routine calls AYCEPHG2, which actually tallies up and displays the number of Purple Heart letters for each site as specified by the user.

^AYCEPHG2

^AYCEPHG2 is called by AYCEPHG1. It counts the number of Purple Heart letters for the sites specified by the user by examining the 'AC' cross-reference of the PURPLE HEART REGISTRY file (#742021). Grand totals are included at the end of the report.

^AYCEPHI1

^AYCEPHI1 is a report that displays data for 'IN PROCESS' status entries in the Purple Heart Registry file (#742021). Each entry is evaluated and put into the appropriate age category. The categories are: 0-3 days, 4-6 days, 7-9 days, 10-12 days, 13 days, 14 days and >14 days.

There are both summary and detailed versions of the report. The summary version displays the counts by category for each site that is selected by the user. The detailed version displays the veteran's SSN and Last,First name for each entry. The detailed version requires a 132 column output device. The user is prompted for:

- Contact Representative
- Site(s) (INSTITUTION #4) to be included on the report. Default is 'ALL'.
- S(ummary) or D(etailed) versions of the report.
- Output Device (detailed version requires 132 column output device).

^AYCEPHI1 is called by the Purple Heart Aging Report menu option [AYCEPH AGING REPORT]. This routine calls AYCEPHI2, which actually compiles and displays the data specified by the user.

^AYCEPHI2

^AYCEPHI2 is called by AYCEPHI1. It searches the 'AF' cross-reference of the Purple Heart Registry file (#742021) and evaluates all 'IN PROCESS' status entries for each site selected by the user. The entries are put into their appropriate age category, and the counts (Summary version) or Veterans SSN and Name (Detailed version) are displayed.

^AYCEPHIT

^AYCEPHIT is the routine/template for entering and editing the data found in the PH DOCUMENT TYPE (#742021.1) and PH DATA SOURCE (#742021.2). The $$FNDOLDPH API is used to determine PH information based on the date passed as an input parameter. This API may be used throughout the Purple Heart software to generate reports.

#742021.1 – PH DOCUMENT TYPE

#742021.2 – PH DATA SOURCE

This routine also functions to provide PH data for the following templates:

[IVME ENTER VIVA]

[IVMG VIEW ENROLLMENT]

This routine is called by accessing the AYCEPH PH DOC TYPE and AYCEPH PH DATA SOURCE menu options (one for each of the files listed above).

^AYCEPHLI

The ^AYCEPHLI routine/template allows DCD Contact Representatives (CR) to enter Purple Heart Document information when it is received at the HEC. The routine/template matches the SSN with a record in the VIVA file; if there is not matching record in VIVA, the CR cannot enter Purple Heart information for the veteran . The template stores its data in the PH Registry File #742021. This input template is called by the AYCEPH PURPLE HEART LOGIN menu option on the AYCEPH PURPLE HEART MENU. If the user is also the designated CR for the patient, they will be given the option to initiate the processing routine after the login is complete.

Input	Definition
SSN	Veteran's SSN (to select record - based on VIVA file)
LAST NAME	Veteran's Last Name - no user interaction
FIRST NAME	Veteran's First Name - no user interaction
MIDDLE NAME	Veteran's Middle Name or initial - no user interaction
PH STATUS	Pointer to #742021.4 changed to IN PROCESS if applicable - no user interaction
DATE RECEIVED	Date the PH Documentation was received
CONTACT REP ASSIGNED	Pointer to #301.3 (defaults to current user if applicable)
DATE LOGGED IN	Calculated date/time stamp - no user interaction
LOGGED IN USER	Calculated based on current user - no user interaction
MASTER ID	Calculated based on a call to an algorithm in ^AYCEPHA1. This field shall contain a pointer to file #300.12 - no user interaction
PH STATUS UPDATE DATE	Based on change in status - no user interaction

^AYCEPHLP

^AYCEPHLP contains the APIs used by the background processor and the conversion to initiate letters.

^AYCEPHMC

The ^AYCEPHMC routine converts existing data from the AYD Purple Heart Recipients file #742999.04 to the new Purple Heart file structure in file #742021. Any record populated from the VBA/DoD files will automatically have the PH Document Type set to OTHER.

This process shall be run as a TaskMan option after the VistA and HEC Purple Heart Patches have been distributed and installed at all locations. It should be started by tasking the AYCEPHMC menu option through TaskMan. See the Patch Description for additional details.

WARNING!
• Patch IVMB*2.0*537 must be installed before the database conversion is run to ensure that Purple Heart data is transferred to the National Enrollment Database.
• If this process is run before ALL Purple Heart Phase 1 and 2 patches have been installed on both the HEC and at ALL of the VAMCs, then Purple Heart data may not be distributed correctly to all sites-of-record and other errors and/or problems could occur during the Z11 upload at the VAMCs

Purple Heart MUMPS File Conversion Map

File #742999.04		File #742021	
Old Field #	Old Name	New Field #	New Name
.01	SSN	.01	SSN
.5	LAST NAME	1	LAST NAME
.8	FIRST NAME	2	FIRST NAME
1	MIDDLE NAME	3	MIDDLE NAME – first piece
2	MASTER ID	6	MASTER ID
3	ADDITIONAL NAME	4	MIDDLE NAME – second piece
4	SUFFIX	5	SUFFIX
5	DATE LAST UPDATED	12	UPDATE DT/TM
6	USER	11	UPDATE USER
8	DOCUMENT TYPE	13	PH DOCUMENT TYPE
9	DATA SOURCE	14	PH DATA SOURCE
"YES"		7	PH INDICATOR
		19	DOCUMENT ACCEPTABLE?
"CONFIRMED"		8	PH STATUS
<NULL>		9	REJECTED REMARKS
		20	UNACCEPTABLE REMARKS
TODAYS DATE		8.5	PH STATUS UPDATE DATE

^AYCEPHMC (continued)
Purple Heart MUMPS Data Source and Document Type
Conversion Mapping (#742999.04 to #742021)

Data Sources - #742999.04		Data Sources - #742021	
Old Code #	Old Name	New Code #	New Name
1	VAHQ	3	OTHER
2	DOD	4	DOD
3	VBA HINES	5	VBA
4	VETERAN	1	VETERAN
5	OTHER	3	OTHER
6	VBA AAC	5	VBA
<NULL>	<NULL>	3	OTHER
		4	DOD
		5	VBA

Document Type - #742999.04		Document Type - #742021	
Old Code #	Old Name	New Code #	New Name
1	DD214	1	DD-214
2	(not a valid value)	5	OTHER OFFICIAL SERVICE RECORDS
3	WD AGO FORM	3	WD AGO FORM
4	MILITARY ORDERS	4	MILITARY ORDERS OF AWARD
5	DD215	2	DD-215
6	OTHER OFFICIAL	5	OTHER OFFICIAL SERVICE RECORDS
<NULL>	<NULL>	5	OTHER OFFICIAL SERVICE RECORDS
		6	DoD/VBA

^AYCEPHPC

^AYCEPHPC produces a report of previous enrollment priority group information for veterans who were switched to priority group 3 because they were (verifiably) awarded the Purple Heart. The report has both summary and detailed format options. If an extended date-range is selected, the report can take a long time to generate. The user can avoid lengthy delays by electing to queue the report when it is being sent to a printer.

When run, the user is prompted to select a report format (Summary or Detailed), range of dates to be included in the report, priority groups to include (All or selected priorities), and facilities to include (Detailed report only; All or selected sites).

The routine is called by the Purple Heart Priority Group Changes Report menu option [AYCEPH PRIORITY CHANGES REPORT].

The routine reads through the "B" cross reference of the Enrollment file (#300.132) for the date range selected by the user. If the record is a current enrollment record with a priority of 3, an eligibility code of 22 (Purple Heart), and there is a previous enrollment record with a priority code selected for the report, and the Preferred Facility is one of the selected sites then the ^TMP("AYCEPHPC",$J) global is updated with the data needed for the report. The ^TMP global is updated differently depending on the report format selected:

Summary

```
^TMP("AYCEPHPC",$J,"S",Priority)=Record Count+1
```

Detailed

```
^TMP("AYCEPHPC",$J,"D",Priority,Site,Date,SSN)=Veteran Name
```

The routine reads through the ^TMP("AYCEPHPC",$J) global and prints the report according to the selected format. Subtotals and a report total are also calculated and printed.

^AYCEPHPI

^AYCEPHPI allows DCD Contact Representatives to enter Purple Heart document information. This allows the CR to enter the document acceptability determination after the veteran has been added to the PH Registry (AYCEPH PH LOGIN). New records cannot be added using this option. If documentation is not acceptable, then the user is prompted to send an Unacceptable Purple Heart Documentation Letter to the veteran. If the user chooses not to send an Unacceptable Purple Heart Documentation Letter, no data is stored, although the veteran remains in the PH Registry. The routine/template will store its data in the PH Registry File #742021.

^AYCEPHPI is called by selecting the AYCEPH PURPLE HEART PROCESSING menu option or by answering "YES" to the "Would you like to process Purple Heart Data for this patient?" question during the login process (only if the user is also the designated CR for the patient).

Input	Definition
SSN	Veteran's SSN (to select veteran in PH file)
PH INDICATOR	Y/N field
PH STATUS	Pointer to #742021.4 (only if PH indicator = YES) required field when displayed
PH STATUS UPDATE DATE	Date stamp based on status change -no user interaction
REJECTED REMARKS	Pointer to #742021.3 (only if PH Indicator =NO) required field when displayed
PH DOCUMENT TYPE	Pointer to #742021.1
PH DATA SOURCE	Pointer to #742021.2
SITE NUMBER	Pointer to #4 (only if PH DATA SOURCE = SITE) required field when displayed
DOCUMENT ACCEPTABLE?	Y/N field
UNACCEPTABLE REMARKS	Free text (50 characters) - only displays if DOCUMENT ACCEPTABLE = N

^AYCEPHPP

^AYCEPHPP produces a detailed report listing Purple Heart records with Pending or In Process status at each site. The report displays site numbers, veteran Social Security Numbers, veteran's names, and the Date Entered into Pending. The user is prompted to provide site number(s) to be included in the report. If no site numbers are entered, the report is generated for ALL sites. ^AYCEPHPP is called by the PH Pending/In Process Records Details menu option [AYCEPH PEND/IN PROC DETAIL RPT].

As each site is entered, the site number is added to a local array (SITE). When the user has finished selecting sites, the routine searches ($Order) through the Purple Heart Registry (^AYCEPH(742021)) file for PH records for each selected site. The selected records are grouped into Pending or In Process categories and stored in either ^TMP("AYCEPH",$J,"PEND") or ^TMP("AYCEPH",$J,"INPROC").

If the report is generated for ALL sites, the routine searches ($Order) through the Purple Heart Registry (^AYCEPH(742021)) and all PH records are added for each site. The site numbers are validated against the INSTITUTION file (^DIC(4)) for each record in the PH Registry.

Once the report is generated, the PRINT subroutine is called to send the data to the selected output device.

^AYCEPHPT

^AYCEPHPT displays [CAPTIONED]-like output for the following inquiry menu options and will include Purple Heart data in the display:

- IVME VIVA INQUIRY
- IVME VIVA DX INQUIRY
- IVMB DCD SITE INQ

^AYCEPHPZ

^AYCEPHPZ is a post install routine for patch IVMB*2.0*491 and is called by ^IVMB491. It does the following:

- Adds Purple Heart Eligibility Code to file 8
- Adds Clock Values to HEC Parameter file 742070
- Adds Purple Heart to Prioritization Rules file 742024
- Adds ZMH to IVM HL7 Segments Used file 300.21
- Adds New Pending status to IVM ENR. STATUS file 742061

^AYCEPHSR

This new Purple Heart Status Report shall list veterans with PENDING, IN PROCESS, INITIAL LTR SENT, or SECOND LTR SENT Purple Heart Status. The routine will be tasked to run daily and will send the report to a user-specified device. A menu option, AYCEPH PH STATUS REPORT, will also be available if manual report processing is needed; it can be selected by a CR with Purple Heart processing privileges.

^AYCEPHSR searches ($O) through the Purple Heart File for PENDING, IN PROCESS, INITIAL LTR SENT, or SECOND LTR SENT status records, formats the data, and displays the finished report on the user-specified device.

The report can be sorted in either chronological or reverse chronological order and contains the following data elements:

- Veteran Name
- SSN
- Date current status was set
- Number of days in current status
- The VAMC that initiated
- Contact Representative assigned to the document

^IVMBENRL

Tag UPDATE was modified in the ^IVMBENRL routine to prevent new enrollment records from being created when the current enrollment status is Pending; Purple Heart Unconfirmed.

^IVMB491

^IVMB491 is the post install routine for this patch. It sets up the PH letters, and then calls AYCEPHPZ.

^IVMBZ07F

^IVMBZ07F was modified to call IVMBZ07P to file PH data received in the Z07. The call must be made after the IEN of the 300.12 file is resolved or created.

^IVMBZ07P

^IVMBZ07P files PH data from the Z07, into the PH Registry (#742021). If a record with this 300.12 IEN already exists, then no data will be filed. If a record exists with this SSN but does not match the 300.12 IEN, the 300.12 IEN will be updated. If no record exists, a new one will be created.

^IVMBZ07

^IVMBZ07, the HL7 Reader Routine, was modified to accept Purple Heart Data. The Purple Heart data is received in the optional ZMH segment, located between the ZCD and ZRD segments. The following fields were added from the Purple Heart File (#742021). All receive data from the Z07 message.

Field #	Field Name
7	PH INDICATOR
8	PH STATUS
9	REJECTED REMARKS

^IVMECC

Purple Heart was added to the consistency checker for ENTER VIVA Template.

Files

Globals to Journal

The Purple Heart Phase I project does not require that any globals be journaled.

File List

Purple Heart Files – HEC

A new group of files shall be introduced to the HEC system for capturing data related to Purple Heart. These files shall contain information on any veteran submitting a request for Purple Heart benefits, regardless of the outcome. Along with the "main" Purple Heart Registry File, there shall be sub files containing the allowable data elements for Purple Heart processing and login.

Purple Heart Registry File (#742021)

The Purple Heart Registry File (#742021) is used to store Purple Heart information on any person submitting a request for Purple Heart benefits.

PH Document Type File (#742021.1)

The PH Document Type file (#742021.1) contains the allowable entries for the Document Type field of the Purple Heart Registry File. The document type is entered during the document login process. This file may be modified, as needed, using VA FileMan's Enter/Edit option.

PH Data Source File (#742021.2)

The PH Data Source File (#742021.2) contains all of the allowable entries for the Data Source field in the Purple Heart Registry File. This file may be updated using the PH Acceptable Data Sources menu option.

PH Rejected Remarks File (#742021.3)

The PH Rejected Remarks File (#742021.3) contains the acceptable Remarks for a rejected Purple Heart request. This file may NOT be modified using the FileMan Enter/Edit option. It shall require further development for modifications as well as coordination and development changes to the National Enrollment Database (NED).

PH Status File (#742021.4)

The PH Status File (#742021.4) file contains all allowable Purple Heart Status entries. This file may NOT be modified using the FileMan Enter/Edit option. It shall require further development for modifications as well as coordination and development changes to the National Enrollment Database (NED).

DCD Contact Representative (#301.3)

A Boolean field (#7) was added to file #301.3 to establish which contact representatives can verify Purple Heart eligibility for a veteran. This field does not affect the ability to login Purple Heart Awards, only to confirm or deny acceptability of the document. This flag shall be used to screen contact reps that can be selected for PH processing.

DCD Letter File (#301.11)

Three new letters were added to the DCD Letter file (#301.11). The letters will be installed during the post install routine. The letters are:

Unacceptable Purple Heart Documentation Letter (630A) - AYCEPH UNACCEPT LTR 1

This letter is generated to a veteran who has provided unacceptable PH documentation and requests that valid documentation be sent.

Follow-up Unacceptable PH Documentation Letter (630B) - AYCEPH UNACCEPT LTR 2

This letter is generated to a veteran who has provided unacceptable PH documentation a second time.

Notification of Purple Heart Denial Letter (630C) - AYCEPH APPEAL LTR 3

This letter is generated if acceptable documentation is not provided within the allotted timeframes for each PH step and informs the veteran that their priority grouping has not changed.

Eligibility Code File (#8)

A new eligibility code entry, Purple Heart, was added to the Eligibility code file. This eligibility will be added to the veteran's enrollment record when the Purple Heart indicator is YES. This code is added as IEN number 22 during the post install.

MAS Eligibility Code File (#8.1)

A new Purple Heart eligibility code entry was added to the MAS Eligibility Code file (#8.1) to match changes made to the Eligibility Code file (#8).

IVM HL7 Segments Used (#300.21)

Segment ZMH was added to this file so it can be processed in the inbound HL7 messages. This segment is added during the post install routine, ^AYCEPHPZ.

IVM Enrollment Status File (#742061)

A new status of Pending; Purple Heart Unconfirmed was added to the IVM Enrollment Status file (#742061). This status is added during the post install routine, ^AYCEPHPZ.

Veterans ID & Verification Access (#300.11)

The input transforms have been modified to call ELGPH^AYCBDD2 instead of ELIGOK^AYCBDD2 for the following fields:

- Field #6 - Eligibility Code
- Field #.01 - Other Eligibility Code(s) (in the #300.24 multiple)

This change will ensure that the Purple Heart eligibility code can only be selected if the Purple Heart Indicator is YES in the Purple Heart Registry (#742021) for the veteran.

HEC Parameter (#742070)

This file will be modified to include the following new fields:

- PURPLE HEART PENDING CLOCK (#7) - initial value will be 14 days
- PURPLE HEART IN PROCESS CLOCK (#8) - initial value will be 37 days

These fields contain the number of days a PH record can remain in a pending or in process status before being automatically set to NO.

File Flow (Relationships between files)

1. VA FileMan Menu

2. Data Dictionary Utilities Menu

3. List File Attributes Option

4. Enter File # or range of File #s

5. Select Listing Format: Standard

6. You will see what files point to the selected file. To see what files the selected file points to, look for fields that say "POINTER TO".

Bulletins

AYCEPH PH INDICATOR CHANGE

AYCEPH PH INDICATOR CHANGE, a new bulletin will be generated to all sites of record when a veteran is denied Purple Heart eligibility and the Purple Heart Indicator is changed from Yes to No. The bulleting will be sent to DGEN ELIGIBILITY ALERT mail group.

Sample Message

```
Subj: HEC NOTIFICATION OF PURPLE HEART IS NO [#9870882] 04 Aug 00 02:43  7 lines
From: IVM PACKAGE  In 'IN' basket.   Page 1
----------------------------------------------------------------------
A purple heart determination of NO was uploaded from the Health Eligibility Center
for the following patient:

                  Name:  Last, First, Middle Initial
                  SSN:   123-45-6789
                  DOB:   Aug 01, 2000
   Effective Date:   Aug 01, 2000
         Remark:   Unacceptable Documentation
```

Templates

IVME ENTER VIVA

The IVME ENTER VIVA input template was modified to display the Purple Heart Indicator and either PH Status or Rejected Remarks, whichever is applicable, calling VIVA^AYCEPHIT. The input template is for the #300.11 file.

AYCEPH CHANGE PH CR ASSIGNED

This input template has been added to allow authorized users to change the Contact Representative assigned to a Purple Heart document for processing. It is called from the AYCEPH CHANGE PH CONTACT REP menu option. This input template is for the #742021 file.

IVMG VIEW ENROLLMENT

This template has been modified to display Purple Heart information. A call to ENROLL^AYCEPHIT has been added after the POW field in the template.

Exported Options

Archiving and Purging

There are no archiving and purging capabilities contained in this software product.

Package-Wide Variables

There are no package-wide variables associated with Purple Heart Phase I.

SACC Exemptions/Non-Standard Code

There are no SACC Exemptions associated with Purple Heart Phase I.

External/Internal Relations

Callable Entry Points and APIs

There are no callable entry points or APIs included in this software product.

DBIA Agreements

There are no database integration agreements (DBIA) were required for this software product.

Internal Relations

All Purple Heart Phase I package options were designed to stand alone.

External Relations

The following VISTA package versions (or higher) MUST be installed PRIOR to loading this version of Purple Heart Phase I:

Package	Version
Kernel	V. 7.1
VA FileMan	V. 20.0
PIMS	V. 5.3
Integrated Billing	V. 2.0
OERR	V. 2.5
HL7	V. 1.5

Security

No additional security implementation is needed.

General Security

Security Keys

Two new Security Keys, AYCEPH PH SECURITY KEY and AYCEPH PH FILE MAINTENANCE, shall be added with this enhancement as directed in the Purple Heart Eligibility Enrollment SRS.

AYCEPH PH SECURITY KEY

AYCEPH PH SECURITY KEY will allow supervisors to access additional reports and menu options, modify Contact Reps for Purple Heart records, and also allow modification of Purple Heart code tables.

The security key shall be used by the following menu options:

Menu Option	Description
AYCEPH CHANGE PH CONTACT REP	Change Contact Rep on PH record
AYCEPH PH MANAGEMENT REPORTS	Management Reports Menu options

AYCEPH PH FILE MAINTENANCE

AYCEPH PH FILE MAINTENANCE provides access to additional menu options that allow modifications to the Purple Heart dictionary/code files.

The security key shall be used by the following menu options:

Menu Option	Description
AYCEPH PH DOC TYPE	Modify and inactivate the PH Document Type File (#742021.1)
AYCEPH PH DATA SOURCE	Modify and inactivate the PH Data Source File (#742021.2)

Glossary

Acronyms

Acronym	Definition
AAC	Austin Automation Center:
CR	Contact Representative
DCD	Data Collection Division
DoD	Department of Defense
EGT	Enrollment Group Threshold
HEC	Health Eligibility Center
HINQ	Hospital Inquiry
HL7	Health Level Seven
IEN	Internal entry number. This is the numeric subscript beneath a file's global root under which all of the data for a given VA FileMan file entry is stored.
IRA	Initial Request Analysis
IVM	Income Verification Match
LTR	Letter
MVR	Master Veteran Record
NED	National Enrollment Database
NPCD	National Patient Care Database
OPF	Office of Policy and Forecasting
OPP	Office of Policy and Planning
PDX	Patient Data Exchange
PH	Purple Heart
PIMS	Patient Information Management System
PL	Public Law
SDD	Software Design Document
SD&D	System Design and Development. The successor to Technical Services.
SLA	Service Level Agreement (between HEC & AAC mail center)
SRS	Software Requirements Specification
SSN	Social Security Number
TS	Technical Services
USPS	United States Postal Service
VA	The Department of Veteran Affairs
VAMC	Veterans Affairs Medical Center
VBA	Veterans Benefits Administration
VHA	Veterans Health Administration
VISN	Veteran Integrated Service Networks
VistA	Veterans Health Information System and Technology Architecture. Both the HEC and VAMC systems are a part of VISTA.
VIVA	Veterans Information and Verification Access program

Definitions

Terminology	Definition
Attribute	An attribute is a type of characteristic or property associated with a set of real or abstract things (people, objects, places, events, ideas, combinations of things, etc.).
Bulletin	A bulletin is a VA MailMan message used to provide information to a user regarding the function of a process. The message is in a predefined standard format with only key information differing from bulletin to bulletin. A Bulletin is considered a Design Entity in this document.
Data Dictionary	A data dictionary is the structure of a file, table or any group of related information as defined for and by VA FileMan. A Data Dictionary is considered a Design Entity in this document.
Data Element	A data element is a unique field, file, option, protocol or any underlying system structure changed by the design documented. A Data Element is considered a Design Entity in this document.
Design Entity	A design entity is a component of design that is structurally and functionally distinct from other components and is uniquely named and referenced. Entities can exist as systems, subsystems, data structures, modules, programs and processes.
Design Attributes	A design attribute is a characteristic of a design entity. The design attribute may be static or dynamic with each use of the design entity. If the attribute is dynamic, a statement of legitimate values for the attribute and their definition should be included. Design attributes provide statements of fact and answer questions about design entities. If the attributes cannot be defined until the software executes the design entity (and are therefore dynamic), they are generally considered parameters.
Domain	A domain is a named set of data values (fixed, or possibly infinite in number) all of the same data type, upon which the actual value for an attribute instance is drawn. Every attribute must be defined on exactly one underlying domain. Multiple attributes may be based on the same underlying domain.
Enhancement Category	An enhancement category is an indication of the affect of the design on the software system. An enhancement category can either be Modify, Add or Delete.
Enhancement Description	An enhancement description is a short definition of the design to be implemented. The description shall define current functionality and how that functionality shall be modified.
Enrollment	Enrollment is a process in which specific attributes (Service connected disability, means test results, etc.) of applicants are subjected to a predefined set of criteria to determine if the applicant qualifies for benefits, and if so, to what level of benefits do they qualify. (This is a new definition not commonly used within the VA).
Entity	An entity is a set of real or abstract things (people, objects, places, events, ideas, combinations of things, etc.), which have common attributes or characteristics.
Fully Attributed Model	A fully attributed model is the third normal form information model that includes all entities, attributes and relationships needed by a single project.

Terminology	Definition
HL7 Field	An HL7 field is a string of characters (Note: HL7 data fields may take on the null value).
HL7 Message	An HL7 message is an atomic unit of data transferred between systems comprised of a group of segments in a defined sequence.
HL7 Segment	An HL7 segment is a logical grouping of data fields.
HL7 Table	An HL7 table is a table of values for an HL7 component (a field or a component of a compound field).
HL7 Trigger Event	An HL7 trigger event is a real-world event that initiates an exchange of messages.
Input	Inputs are any parameter received by a function as part of a message and used to complete the process invoked.
Key, Foreign	A foreign key is an attribute, or combination of attributes of a child or category entity instance whose values match those in the primary key of a related parent or generic entity instance.
Key, Primary	A primary key is one or more attributes whose value uniquely identifies every instance of an entity.
Instance	The fundamental component of a relational database is the table. A table is organized in columns and rows of data. Each populated row contains a set of facts called an instance of the table.
Logic	Logic is the pseudo code steps that a function performs in response to a message.
Mail Group	A mail group is a VA MailMan structure that defines a subset of VA MailMan users. A Mail Group is considered a Design Entity in this document.
Message	A message is any information passed to software that invokes a function by that software.
Option	An option is a unique method defined in the Option file (^DIC(19,). Options are usually defined as part of a user driven menu system but may be invoked as extensions of other options or VA MailMan messages. An Option is considered a Design Entity in this document.
Output	Outputs are any parameter returned by a function to the invoking process upon completion of that function.
Protocol	A protocol is a unique method defined in the Protocol file (^ORD(101,). A Protocol is considered a Design Entity in this document.
Related SRS	The related SRS paragraph is the numeric and title of the functionality requested in the Software Requirements Specification (SRS), which the Software Design Document (SDD) shall implement.
Relationship	A relationship is an association or connection between entities.
Relationship Cardinality	Relationship cardinality is the specification of how many child entity instances may exist for each parent instance.
Relationship, Connection	A relationship connection is an association or connection between entities in which each instance of one entity, referred to as the parent entity, is associated with zero, one, or more instances of the second entity, referred to as the child entity, and each instance of the child entity is associated with zero or one instance of the parent entity.
Relationship, Identifying	An identifying relationship is an instance where the child entity is identified by its association with the parent entity.

Terminology	Definition
Relationship, Non-identifying	A non-identifying relationship is every instance of the child entity can be uniquely identified without knowing the associated instance of the parent entity.
Routine	A routine is a unique identifiable containment of software pertinent to a computer system function. A routine is considered a Design Entity in this document.
Security Key	A security key is a unique entry in the Security Key file (^DIC(19.1,) which may prevent access to a specific Option by including the key as part of the options' entry in the Option file (^DIC(19,). Only users entered in the Holder field of the Security Key file may access the option. A Security Key is considered a Design Entity in this document.
State Machine	A state machine is a formal process within Unified Modeling Language (UML) for modeling discrete behavior through finite state-transition systems.
Template	A template is a structured piece of software used to aid in the storage, retrieval and presentation of information. A template is considered a Design Entity in this document.
Verb Phrase	A verb phrase is a phrase used to describe a relationship between two entities

Appendices

PH Letter 630A Unacceptable Purple Heart Documentation

Dear_____,

Thank you for providing documentation in support of your claim of having received a Purple Heart Medal. Unfortunately, the documentation you provided is not sufficient for us to make a determination regarding your receipt of the medal; therefore, we are requesting additional documentation from you.

If you are in Priority Group 4, 5, 6, or 7 and provide us with sufficient documentation to show receipt of a Purple Heart award, you will be placed in Priority Group 3. Documentation to support your claim includes a copy of your discharge or separation papers from the military (DD 214) or other military service records and orders indicating your receipt of the Purple Heart Medal.   Please note that a certificate of award, in and of itself, will not suffice for verification purposes without the submission of one of these documents. If you do not have a copy of the necessary documentation, please complete a Standard Form 180 Request Pertaining to Military Records. This form is available at VA offices or at the following web site, http://www.nara.gov/regional/mprsf180.html.

Please provide your supporting documentation to your nearest VA health care facility or mail a copy to VA's Health Eligibility Center, 1644 Tullie Circle, Atlanta, GA 30329. If you prefer, you may fax the documentation to the Health Eligibility Center at 404-235-1355.

Since we began the enrollment program in October 1998, we have been able to enroll all eligible veterans who have applied for VA health care. No changes in enrollment policy are being planned; however, if federal funding for veterans' health care decreases in the future, VA might not be able to enroll all veterans. Your enrollment will be reviewed and renewed each year depending upon your priority group and available funds. You will be notified of any changes in your enrollment status.

VA Form 4107, Notice of Procedural and Appellate Rights is enclosed to assist you if necessary. If you disagree with our decision, you or your representative may complete a Notice of Disagreement and return it to the Enrollment Coordinator at your local VA health care facility.

Should you have any questions regarding this matter please contact the VA Health Benefits Service Center for assistance at the toll-free number, 1-877-222-VETS (1-877-222-8387).

Sincerely,

Frances M. Murphy, M.D., M.P.H.
Acting Assistant Deputy Under Secretary for Health

Enclosure

PH Letter 630B Follow up Unacceptable PH Documentation

Dear_____,

Thank you for the additional documentation you provided to support your claim of having received a Purple Heart Medal. Unfortunately, this additional documentation is still not sufficient for us to make a determination regarding your receipt of the medal.   We are therefore unable to change your enrollment priority for VA health care benefits at this time.

       If you are in Priority Group 4, 5, 6, or 7 and provide us with sufficient documentation to show receipt of a Purple Heart award, you will be placed in Priority Group 3. Documentation to support your claim includes a copy of your discharge or separation papers from the military (DD 214) or other military service records and orders indicating your receipt of the Purple Heart Medal.   Please note that a certificate of award, in and of itself, will not suffice for verification purposes without the submission of one of these documents. If you do not have a copy of the necessary documentation, please complete a Standard Form 180 Request Pertaining to Military Records. This form is available at VA offices or at the following web site, http://www.nara.gov/regional/mprsf180.html.

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VA Form 4107, Notice of Procedural and Appellate Rights is enclosed to assist you if necessary. If you disagree with our decision, you or your representative may complete a Notice of Disagreement and return it to the Enrollment Coordinator at your local VA health care facility.

We regret we cannot provide a more positive reply. If you have any questions regarding this matter please contact the VA Health Benefits Service Center for assistance at the toll-free number, 1-877-222-VETS (1-877-222-8387).

Sincerely,

       Frances M. Murphy, M.D., M.P.H.
       Acting Assistant Deputy Under Secretary for Health

       Enclosure

PH Letter 630C Notification of PH Denial

Dear_____,

As of this date we have not received the necessary documentation to support your claim of having received a Purple Heart Medal. If you are in Priority Group 4, 5, 6 or 7, we are therefore unable to change your enrollment priority group to a Priority Group 3.

If you are in Priority Group 4, 5, 6, or 7 and provide us with sufficient documentation to show receipt of a Purple Heart award, you will be placed in Priority Group 3. Documentation to support your claim includes a copy of your discharge or separation papers from the military (DD 214) or other military service records and orders indicating your receipt of the Purple Heart Medal. Please note that a certificate of award, in and of itself, will not suffice for verification purposes without the submission of one of these documents. If you do not have a copy of the necessary documentation, please complete a Standard Form 180 Request Pertaining to Military Records. This form is available at VA offices or at the following web site, http://www.nara.gov/regional/mprsf180.html.

Please provide your supporting documentation to your nearest VA health care facility or mail a copy to VA's Health Eligibility Center, 1644 Tullie Circle, Atlanta, GA 30329. If you prefer, you may fax the documentation to the Health Eligibility Center at 404-235-1355.

Since we began the enrollment program in October 1998, we have been able to enroll all eligible veterans who have applied for VA health care. No changes in enrollment policy are being planned; however, if federal funding for veterans' health care decreases in the future, VA might not be able to enroll all veterans. Your enrollment will be reviewed and renewed each year depending upon your priority group and available funds. You will be notified of any changes in your enrollment status.

VA Form 4107, Notice of Procedural and Appellate Rights is enclosed to assist you if necessary. If you disagree with our decision, you or your representative may complete a Notice of Disagreement and return it to the Enrollment Coordinator at your local VA health care facility.

We regret we cannot provide a more positive reply. If you have any questions regarding this matter please contact the VA Health Benefits Service Center for assistance at the toll-free number, 1-877-222-VETS (1-877-222-8387).

Sincerely,

Frances M. Murphy, M.D., M.P.H.
Acting Assistant Deputy Under Secretary for Health

Enclosure